Information sheet

Integrating the Biodiversity – Climate – Water Nexus into Forest Landscape Restoration

This Policy Brief is part of a series aiming to inform policymakers involved in the implementation of the EU Nature Restoration Regulation (NRR) with policy recommendations based on the results of the BiodivRestore funded projects.

This publication was commissioned and supervised by BiodivRestore and produced by Eli Morrell (Nature^Squared) and Iris Visser (Nature^Squared) with support of Cloé Durieux and Julie de Bouville, designed by Kelly Hartholt.

The key research results presented were co-drafted and validated by coordinators from the BiodivRestore funded projects BIOCONSENT, ForestFisher and Transloc.

The BiodivRestore Cofund Action

BiodivERsA and Water JPI launched in October 2020 a joint call to support research on "Conservation and restoration of degraded ecosystems and their biodiversity, including a focus on aquatic systems". The call was co-funded by the European Commission.

22 research projects were funded through this joint call for 21.3 million euros.

References and Resources

BIOCONSENT

- Decision making support toolbox
- BIOCONSENT project page
- BIOCONSENT project website
- Policy Brief: Learning to achieve Forest Policy Goals under Climate Change. Available here.
- Report on improved and upscaled understanding of how behaviour and behavioural change can support transformation to more sustainable socio-ecological forest systems and better biodiversity status at multiple spatial levels. Available here.
- End presentation (BiodivRestore conference)
- End report

ForestFisher

- ForestFisher project page
- ForestFisher website
- ICTIO fish tracking tool
- *Project publication:* Caldas B, Thieme ML, Shahbol N, Coelho ME, Grill G, Van Damme PA, Aranha R, Cañas C, Fagundes CK, Franco-Leon N, Herrera-Collazos EE, Jézéquel C, Montoya M, Mosquera-Guerra F, Oliveira-da-Costa M, Paschoalini M, Petry P, Oberdorff T,

Trujillo F, Tedesco PA, De Brito Ribeiro MCL (2022). Identifying the current and future status of freshwater connectivity corridors in the Amazon Basin. Conservation Science and Practice e12853, 1-21. Available from: https://www.documentation.ird.fr/hor/fdi:010086760

- End presentation (BiodivRestore conference)
- End report (information on findings on species redistribution & TargetEconP hydro-economic model)

Transloc:

- Transloc website and database
- Transloc project page
- End presentation (BiodivRestore conference)
- End report

Other:

- The EU Nature Restoration Regulation

Table 1: Overview of recommendation linkages to NRR Articles and key supporting evidence and tools

NRR Article / NRP Requirement	Key Recommendation	Evidence base
Article 4, Article 12 & Article 14	Use forest–freshwater assessments to support restoration prioritisation	ForestFisher (species distribution models)
Article 4, Article 12 & Article 14	Use targeted incentives for different forest owner/manager typologies	BIOCONSENT (behavioural typologies and customised contract models)
Article 9 & Article 14	Combine river connectivity restoration with riparian forest management	ForestFisher (findings on species redistribution & TargetEconP hydro-economic model)
Article 4 & Article 12	Introduce climate-risk screening for species reintroductions	Transloc (RELEASE agent-based model for simulating dispersal success)
Article 20 & Article 21	Adopt standardised ‘recovery stages’ for long-term monitoring	Transloc (Standardised relocation reporting tool)
Article 14 & Article 9	Strengthen cross-sectoral coordination for restoration implementation	ForestFisher (ICTIO app and co-management protocols to track synergistic impacts) & BIOCONSENT (BIOCONSENT Toolbox)